



1/26

```

**      **      **      **      **      **      **
MFH..... .VSFRYIFGL PPLILVLLPV ASSDCDIEGK DGKQYESVLM
MFH..... .VSFRYIFGI PPLILVLLPV ASSDCDFSGK DGGAYQNVLM
MFH..... .VSFRYIFGI PPLILVLLPV ASSDCDISGK DGGAYQNVLM
MFH..... .VSFRYIFGI PPLILVLLPV TSSECHIKDK EGKAYESVLM
MFH..... .VSFRYIFGI PPLILVLLPV TSSDCHIKDK DGKAFGSVLM
IL-7rat
ILB50human MFPFALLXVL SVSFRKIFIL QLVGLVLT.Y DFTNCDFE.K IKAAYLSTIS

```

helix A

```

*      *      *      *      *
VSIDQLDSM KEIGSNCLNN EFNFFKRHC DANKEGMFLF RAARKLRQFL
VSIDDL.DNM INFDSNCLNN EPNFFKKHSC DDNKEASFNL RAARKLKQFL
VNIDDL.DNM INFDSNCLNN EPNFFKKHSC DDNKEASFNL RASRKLKQFL
ISIDEL.DKM TGTDSNCPNN EPNFFRKHVC DDTKEAAFLN RAARKLKQFL
ISINQL.DKM TGTDSDCPNN EPNFFKKHLC DDTKEAAFLN RAARKLRQFL
ILB50human KDLITY...M SGTGSTEFNN TVSCSNRPHC LTEIQSLTFN PTAGCASLAK
          ^^^^

```

strand 1 helix B

FIG. 1A

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IL-7human	*	KMNSTGDFDL	HLLKVSEGT	ILLNCTGQVK	GRKPAALGEA	QPTKSLEENK	*
IL-7sheep		KMNISDDFKL	HLSTVSQGT	TLLNCTSKGK	GRKPPSLGEA	QPTKNLEENK	
IL-7bovin		KMNISDDFKL	HLSTVSQGT	TLLNCTSKGK	GRKPPSLSEA	QPTKNLEENK	
IL-7mouse		KMNISEEFNV	HLLTVSQGTQ	TLVNCTSK..EENK	
IL-7rat		KMNISEEFND	HLLRVSDGTQ	TLVNCTSK..EENK	
ILB50human		EMFAMKTKAA	LAIWCPGYSE	TQINATQA..MK	

		helix C					
IL-7human	*	SLKEQKKLND	LCFLKRLLQE	IKTCWNKILM	GTKEH		
IL-7sheep		SLKEQRKQND	LCFLKILLQK	IKTCWNKILR	GITEH		
IL-7bovin		SSKEQKKQND	LCFLKILLQK	IKTCWNKILR	GIKEH		
IL-7mouse		NVKEQKK.ND	ACFLKRLLRE	IKTCWNKILK	GSI..		
IL-7rat		TIKEQKK.ND	PCFLKRLLRE	IKTCWNKILK	GSI..		
ILB50human		KRRKRKVTTN	KCLEQVSQLO	GLWRRFRNRP	LKQQ.		
		^^^-----					
		strand 2		helix D			

FIG. 1B

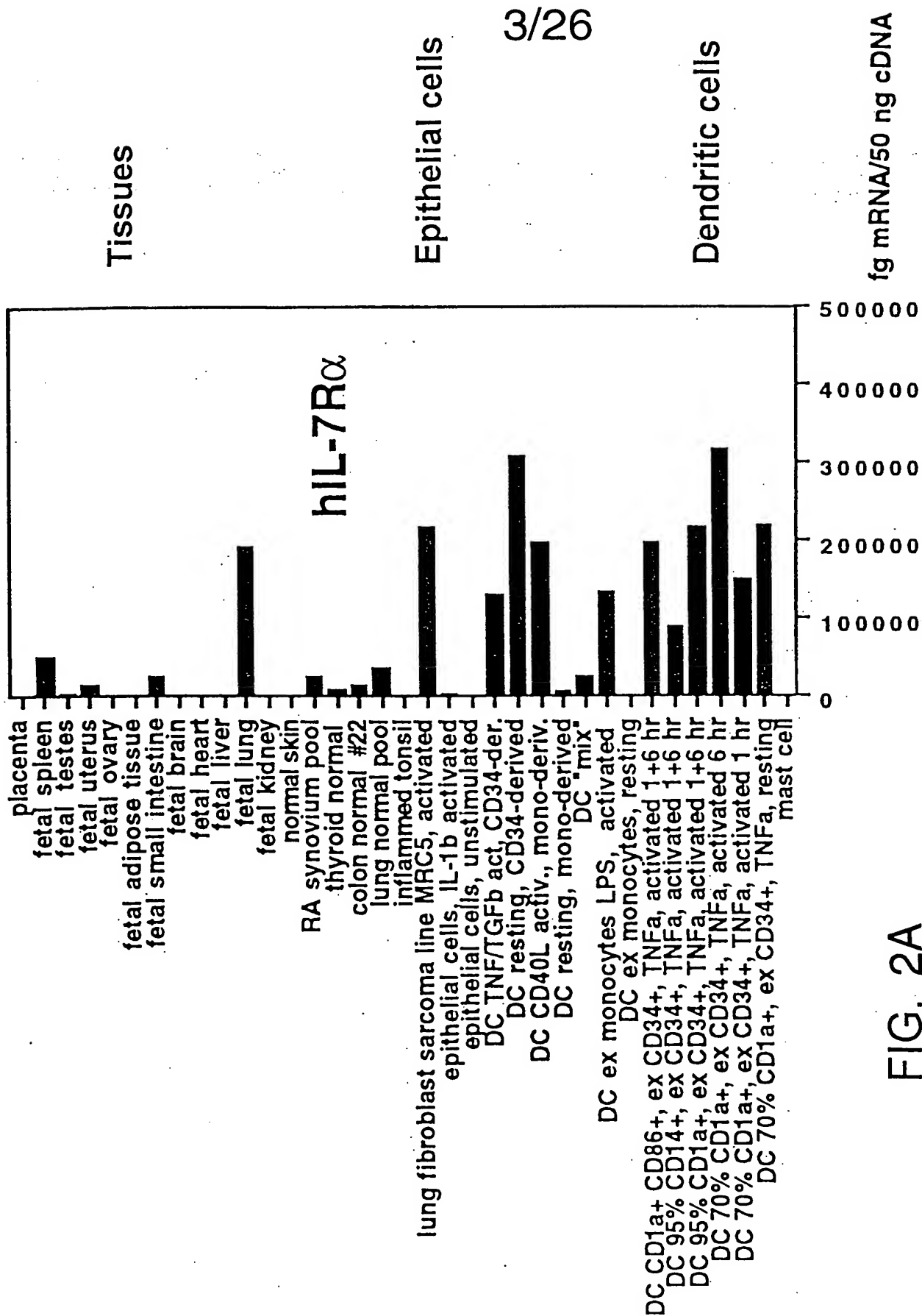


FIG. 2A

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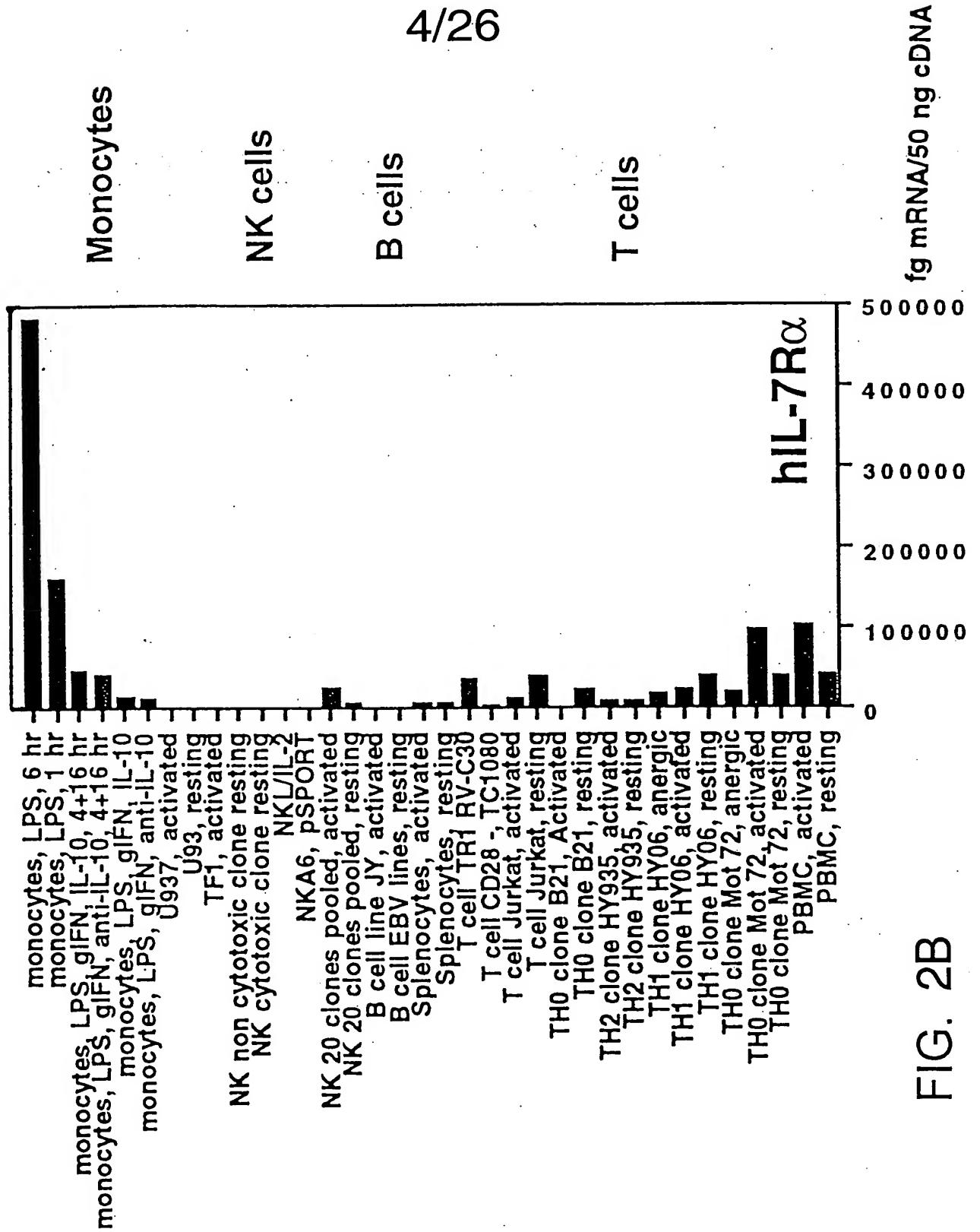


FIG. 2B

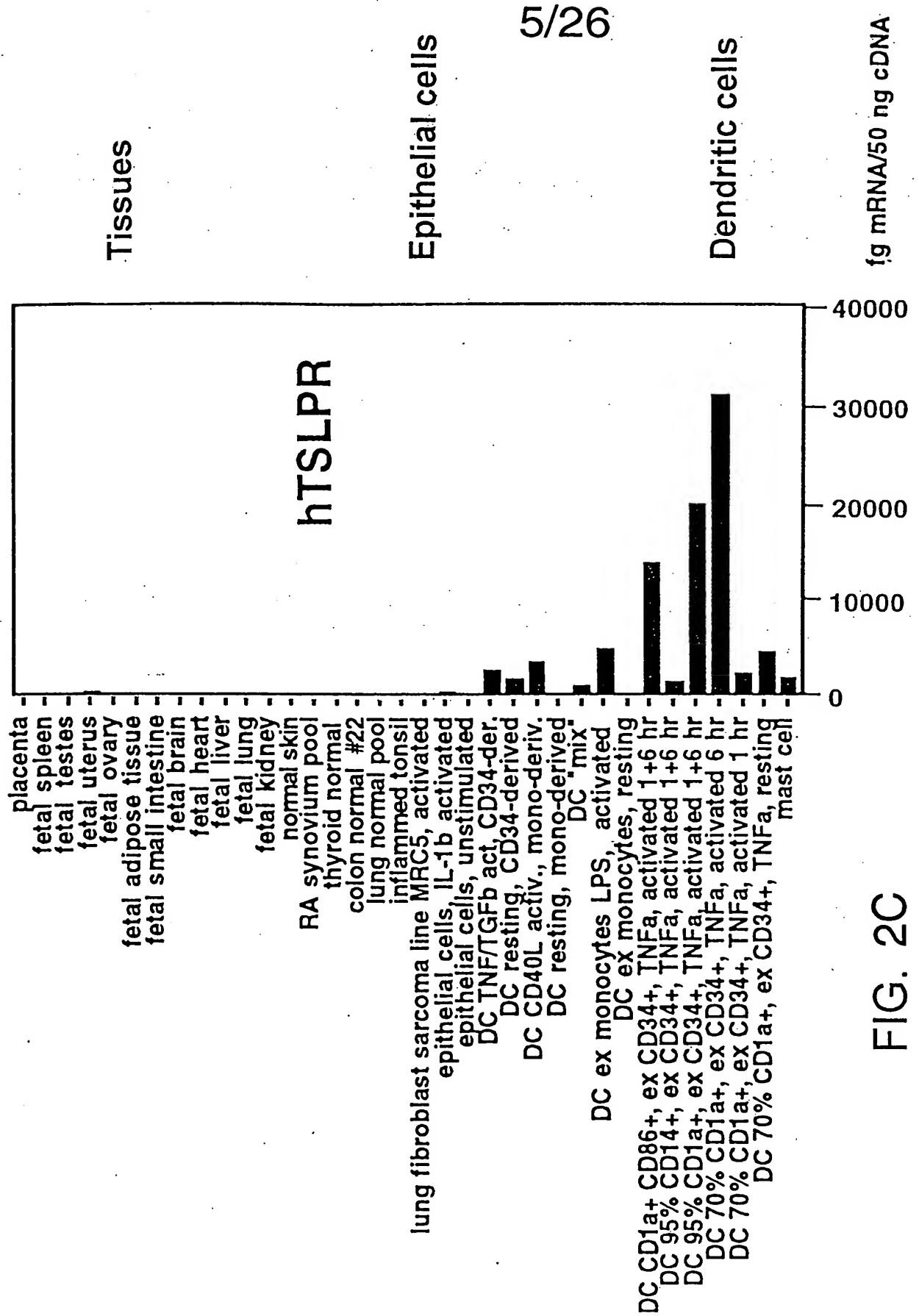


FIG. 2C

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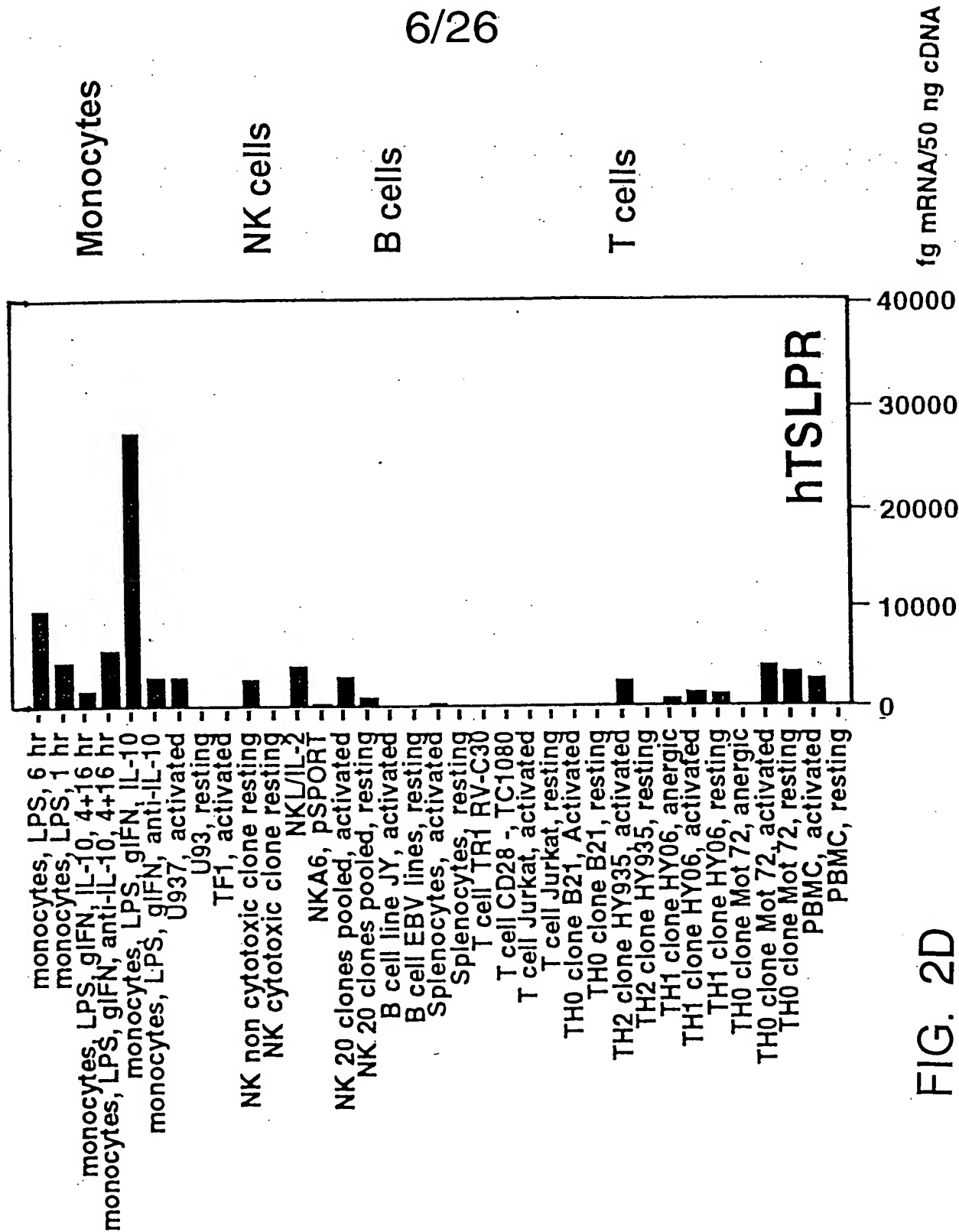


FIG. 2D

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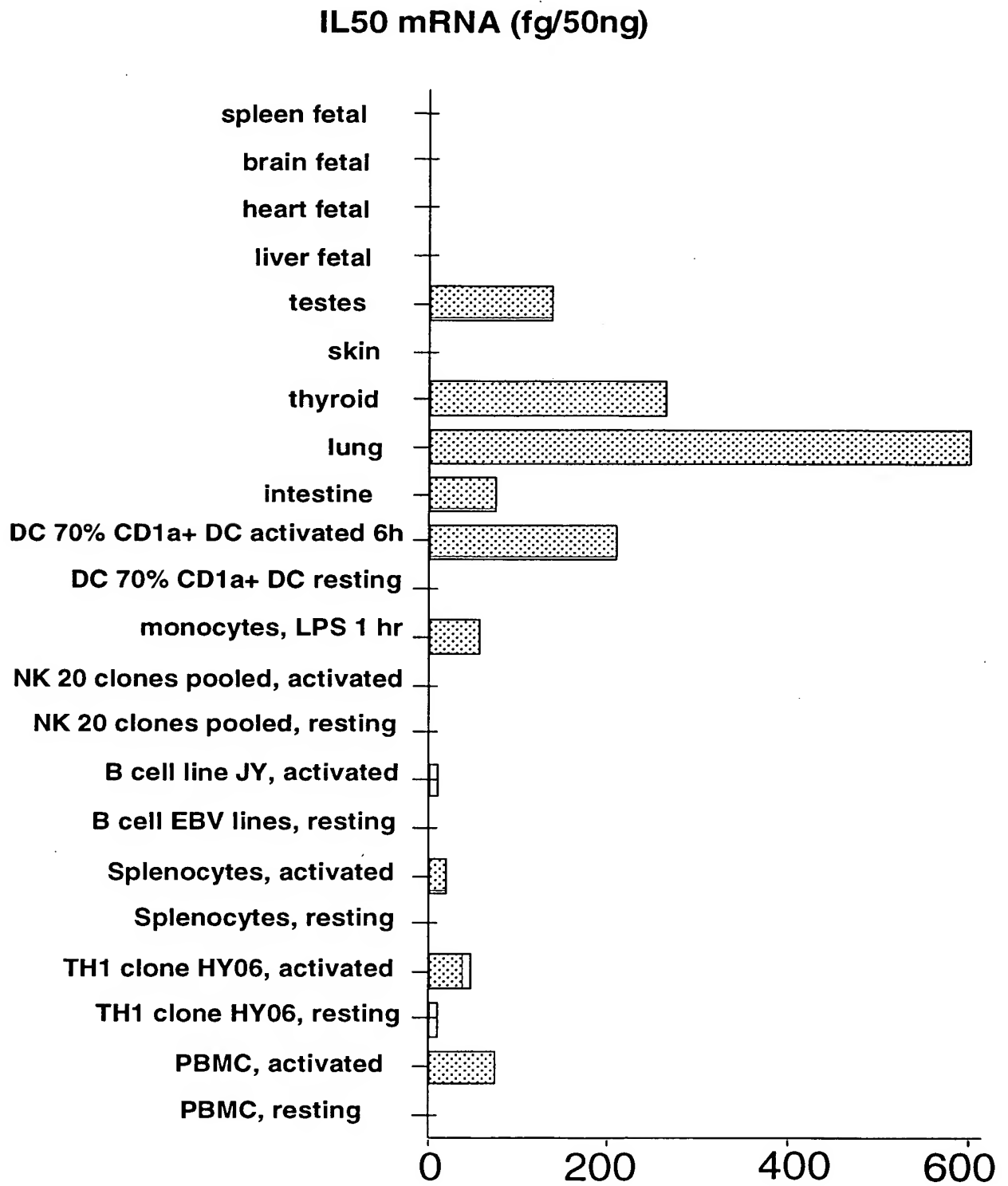


FIG. 2E

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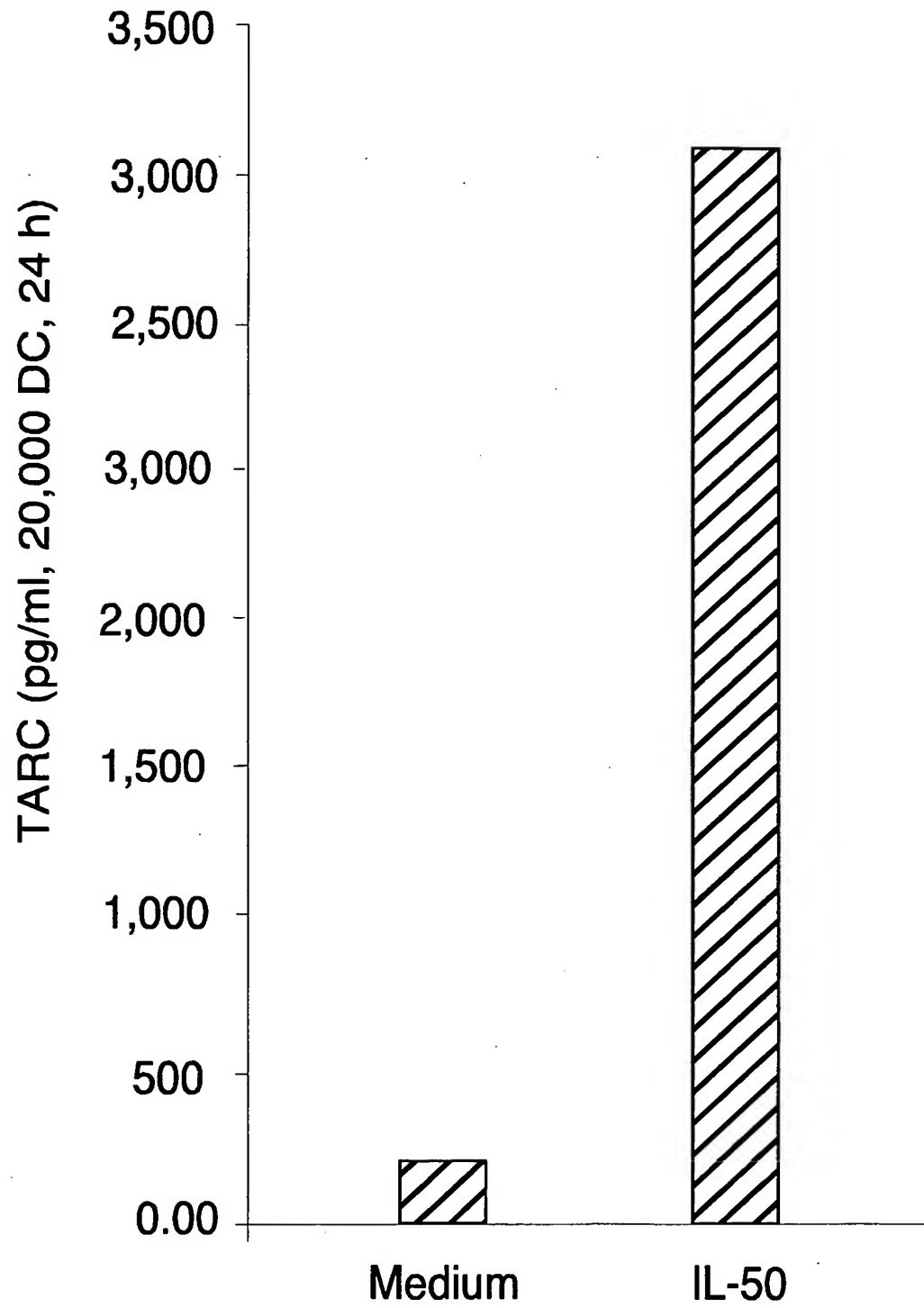


FIG. 3

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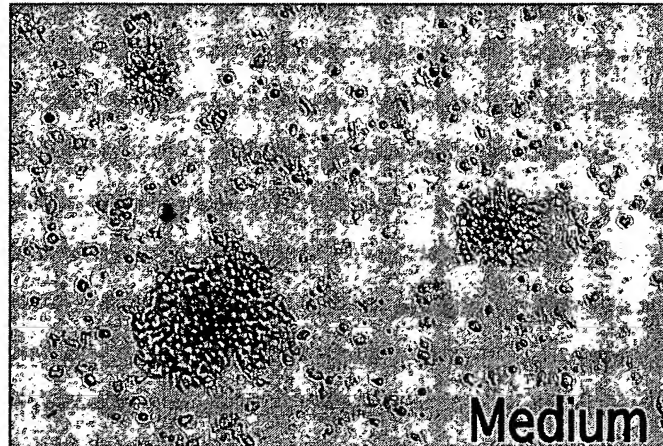


FIG. 4A

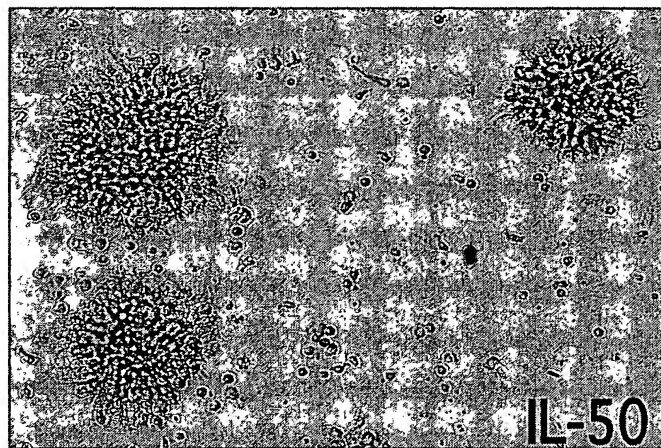


FIG. 4B

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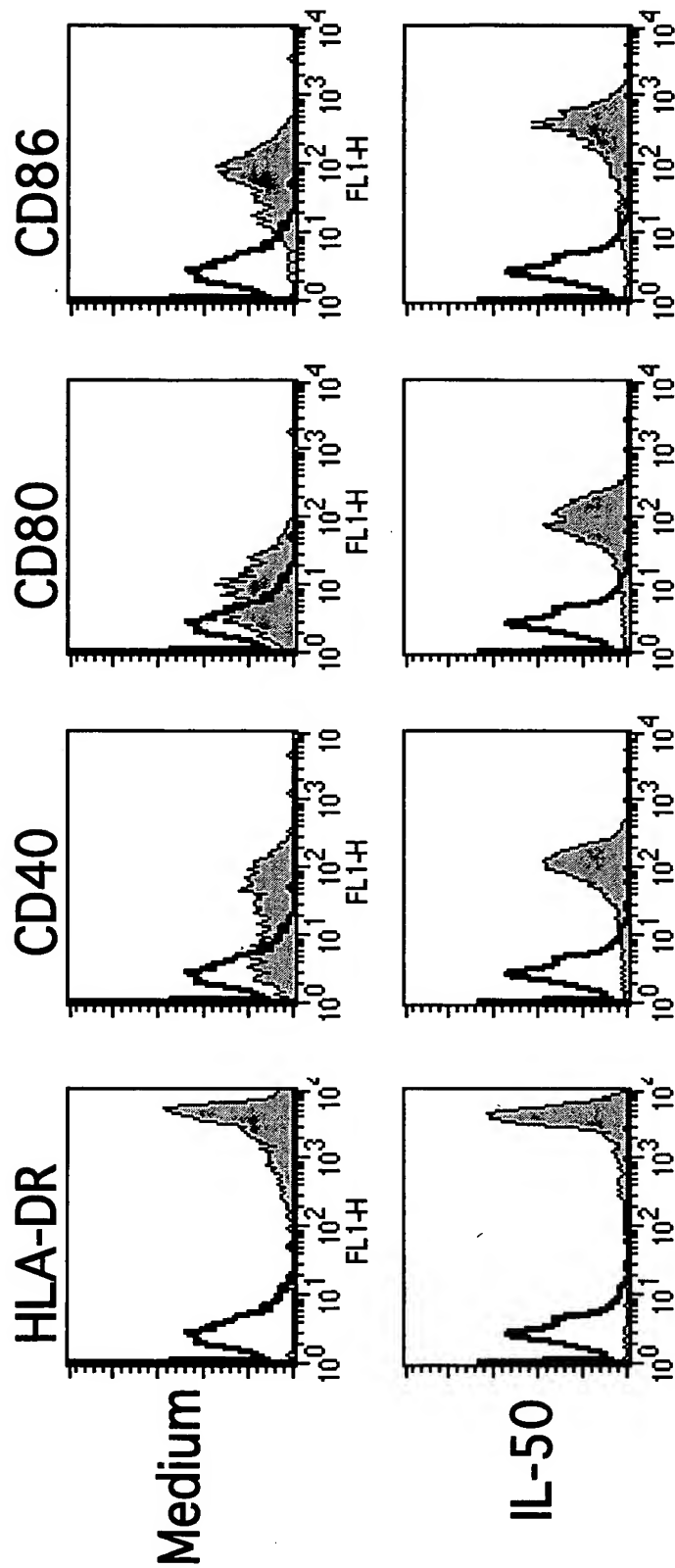


FIG. 5

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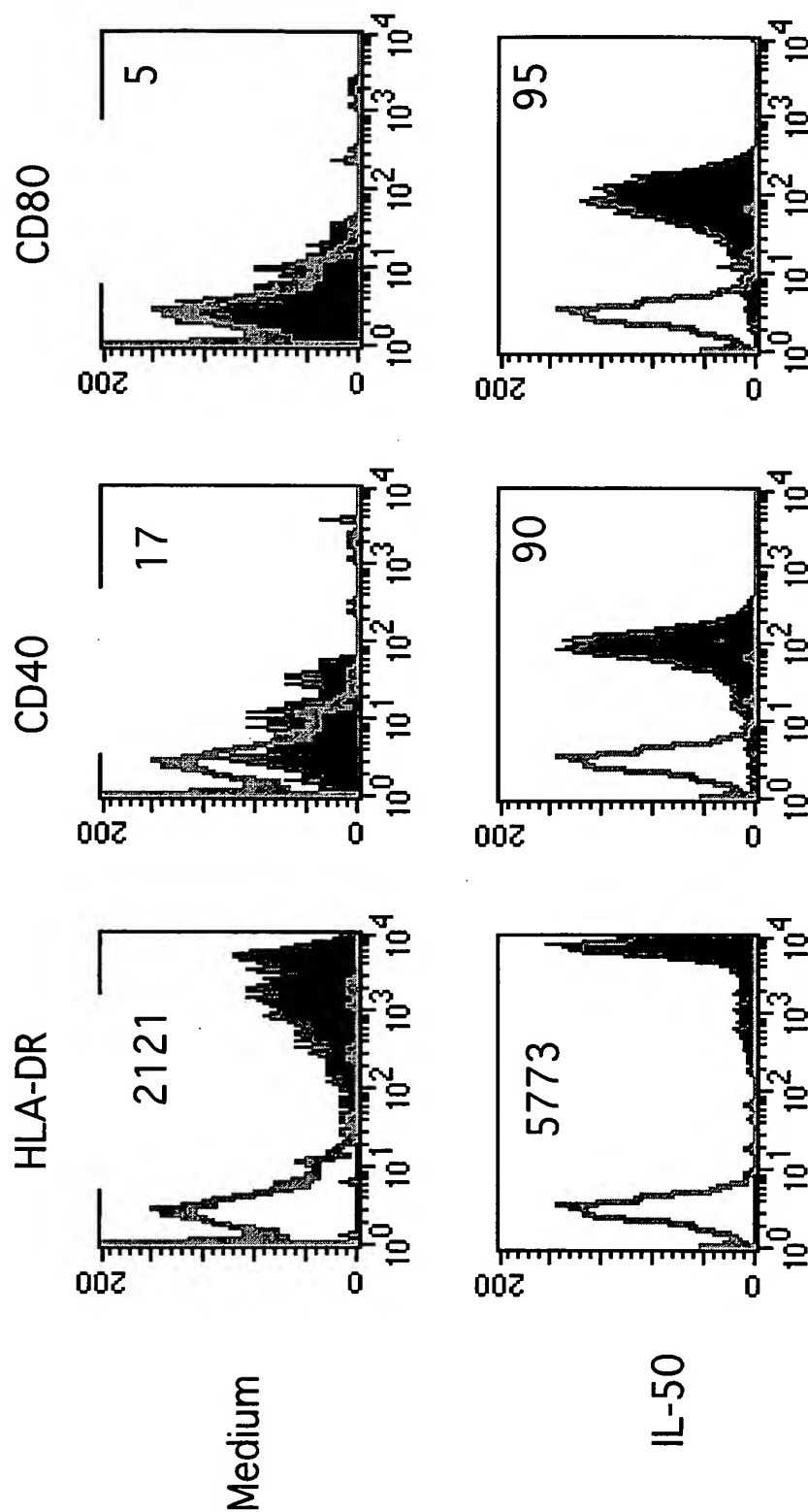


FIG. 6A

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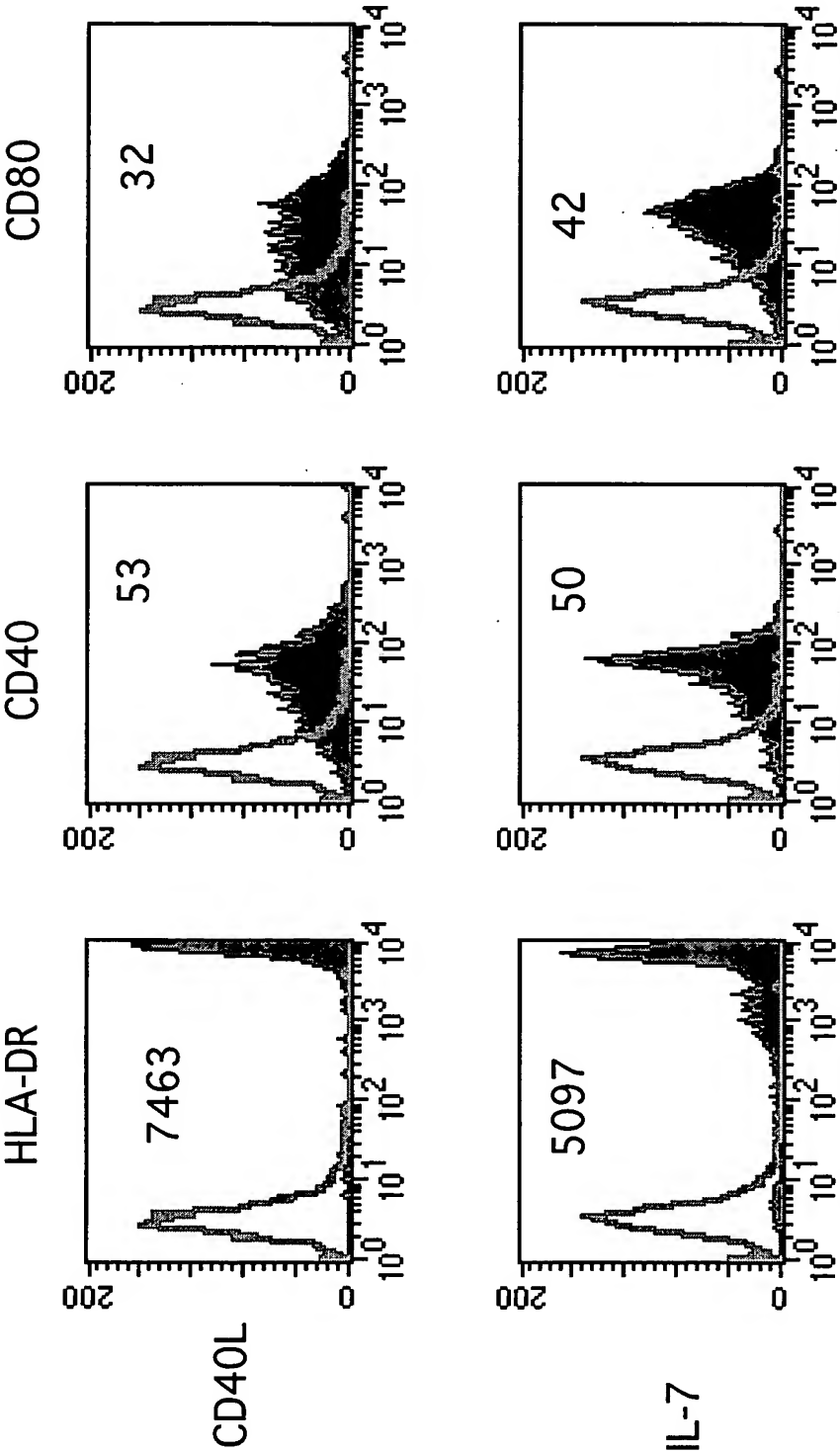


FIG. 6B

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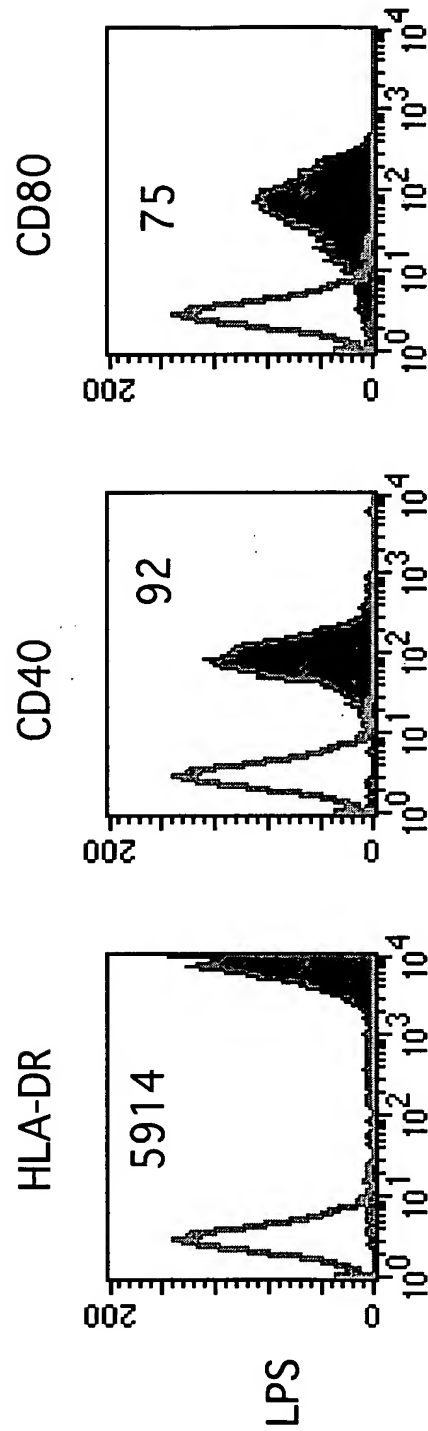


FIG. 6C

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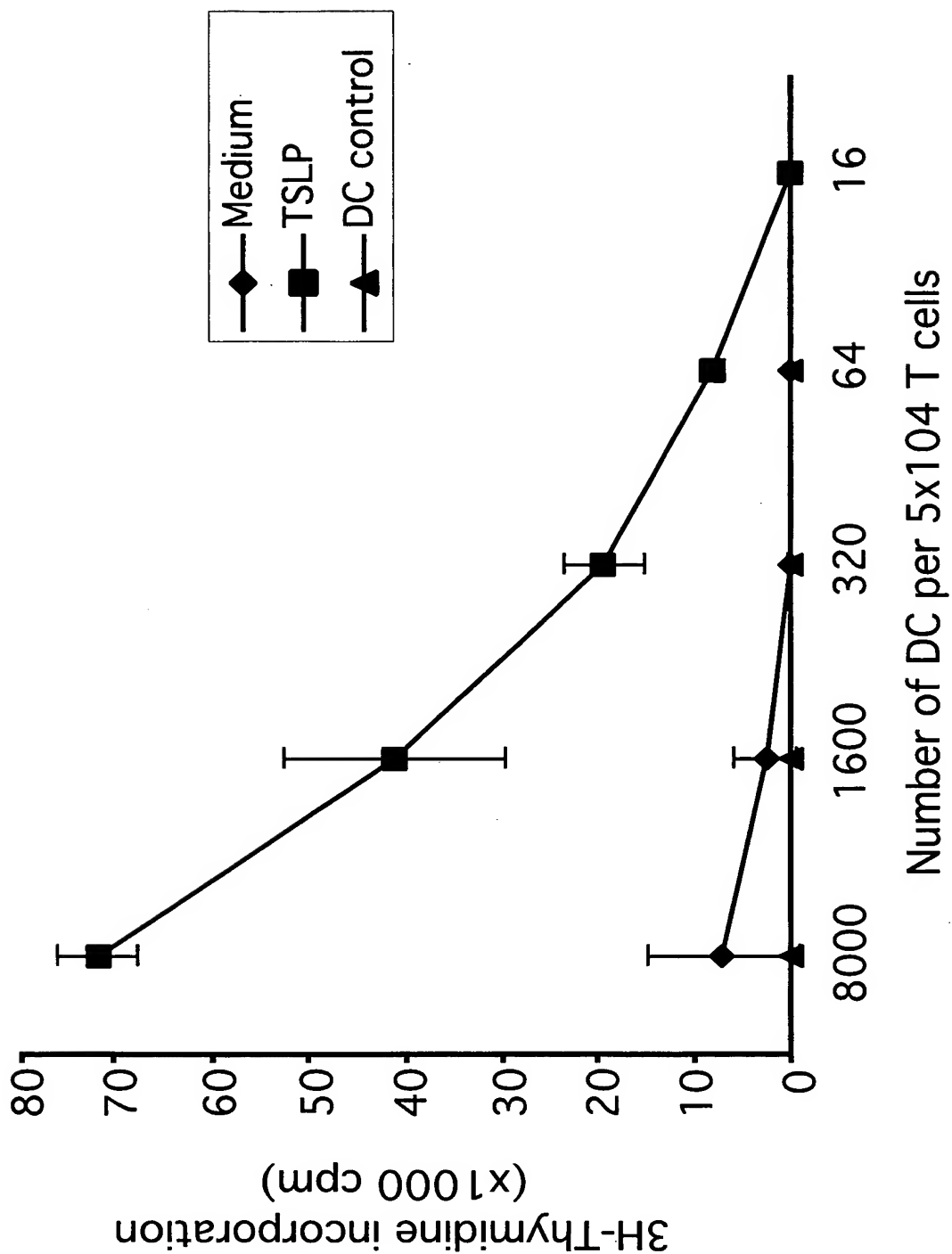


FIG. 7

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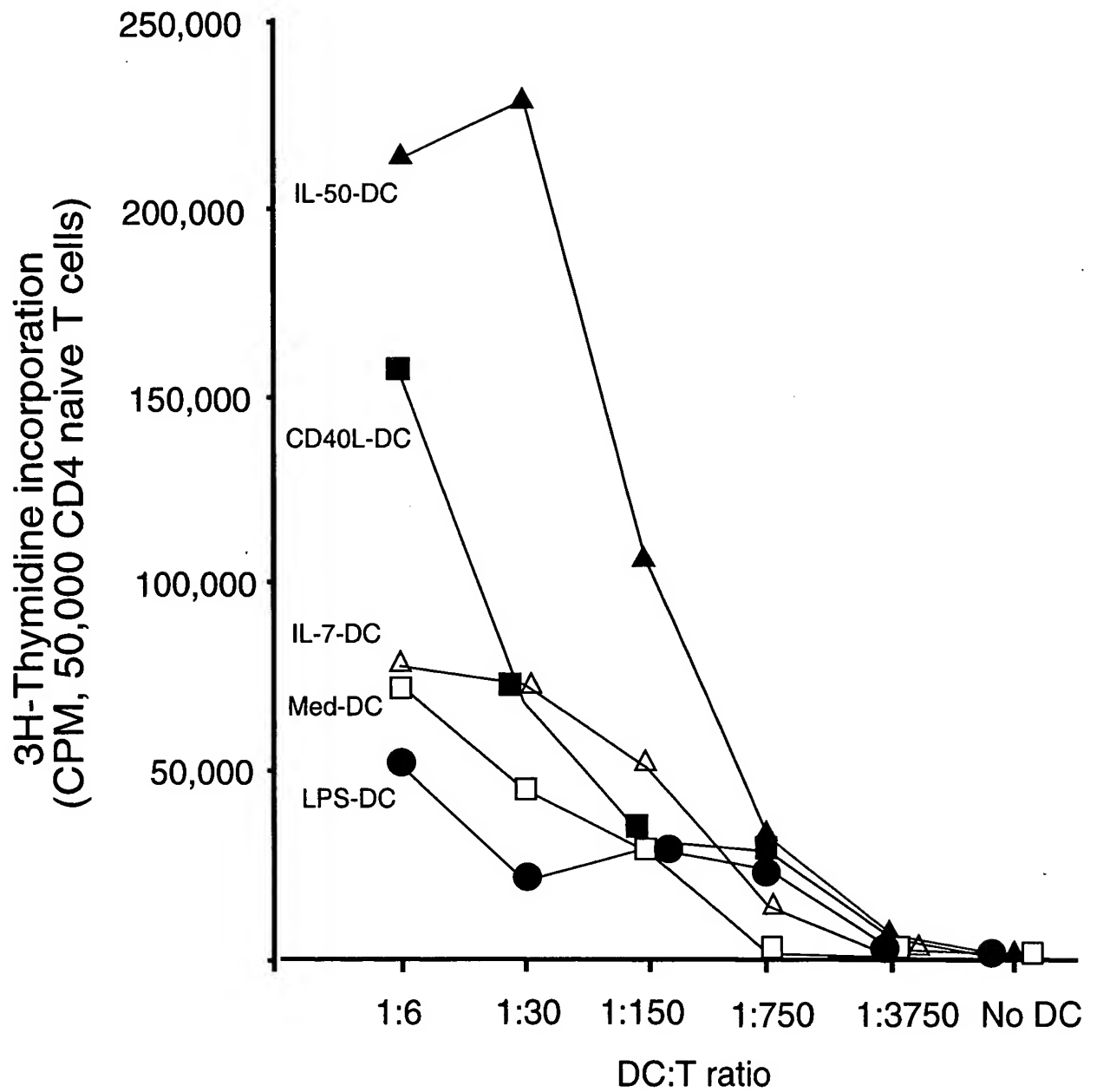


FIG. 8

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IL-4

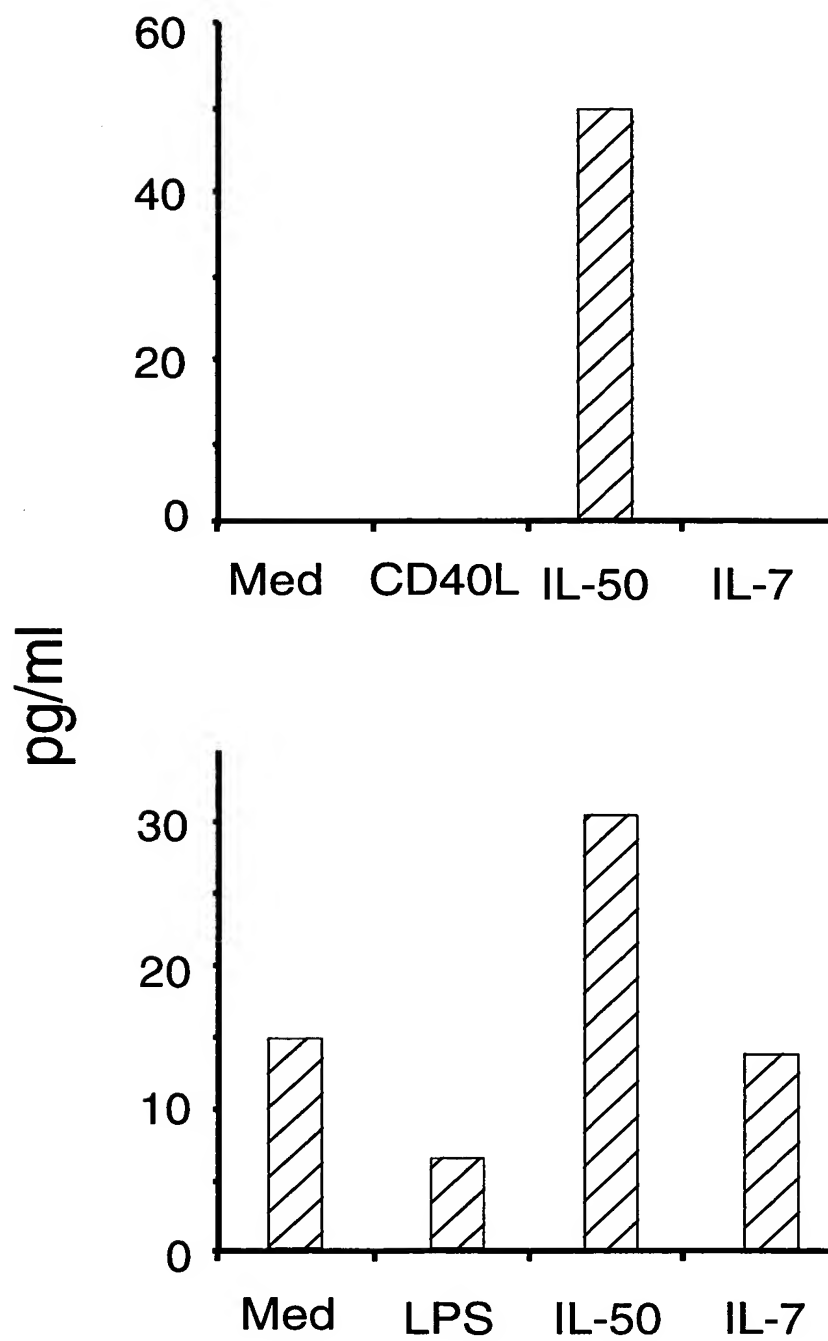


FIG. 9A

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IL-13

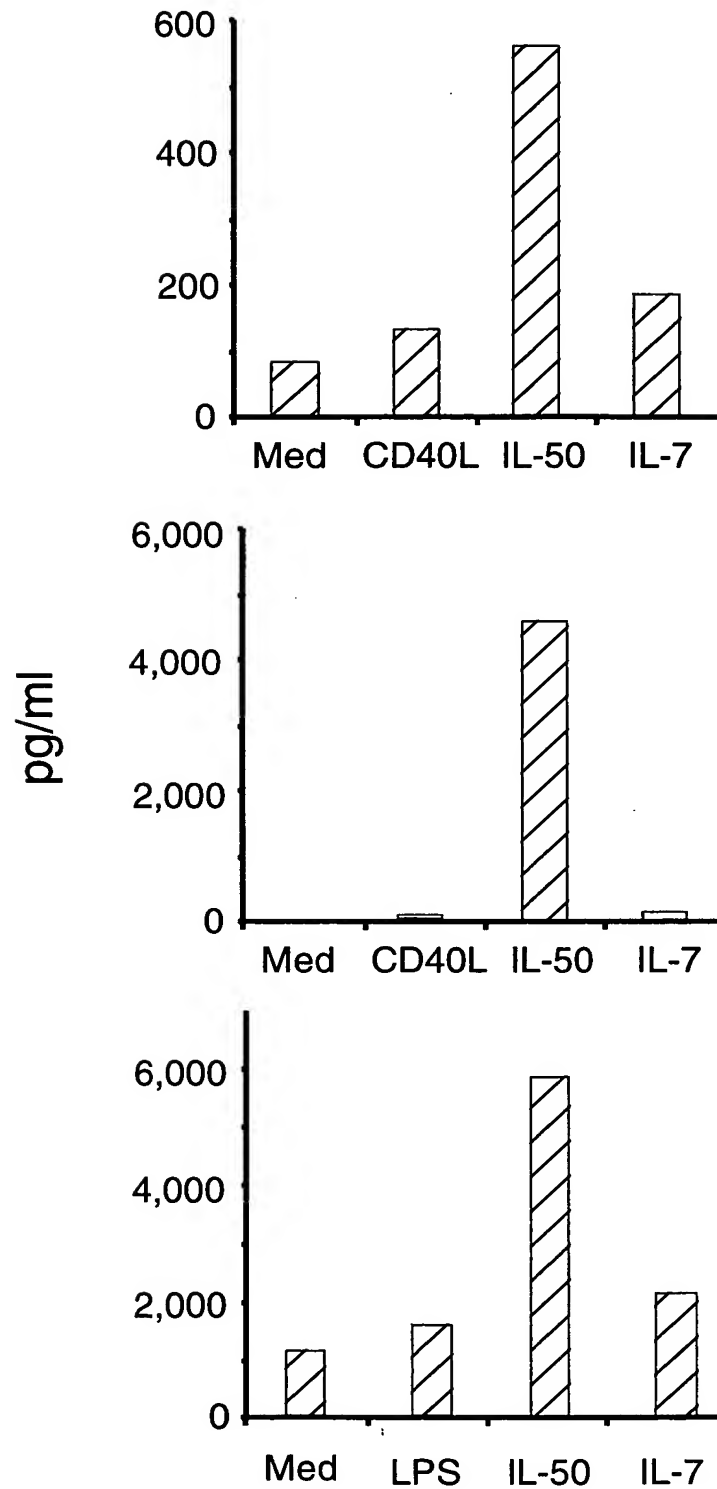


FIG. 9B

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IFN- γ

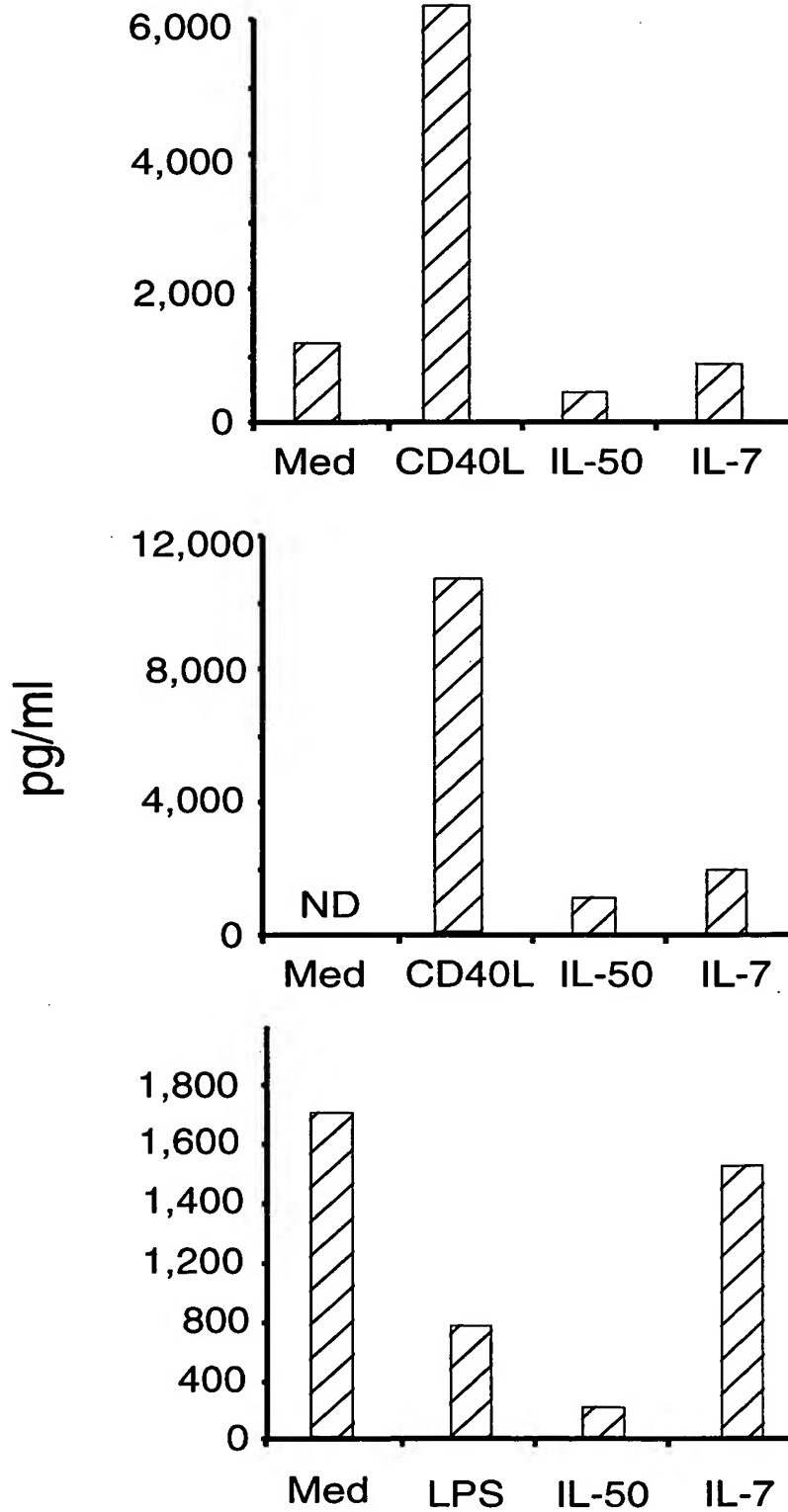


FIG. 9C

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IL-10

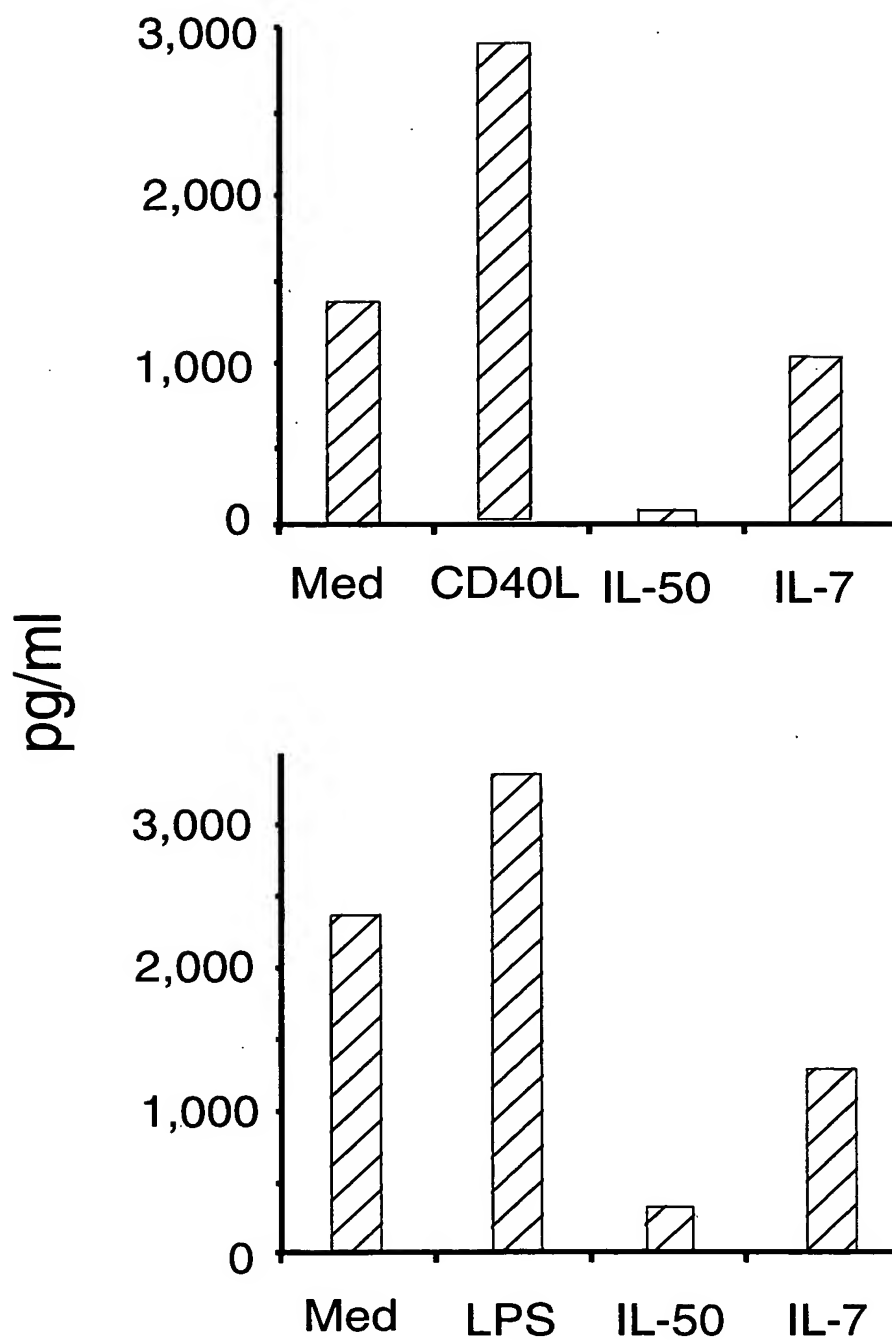


FIG. 9D

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TNF- α

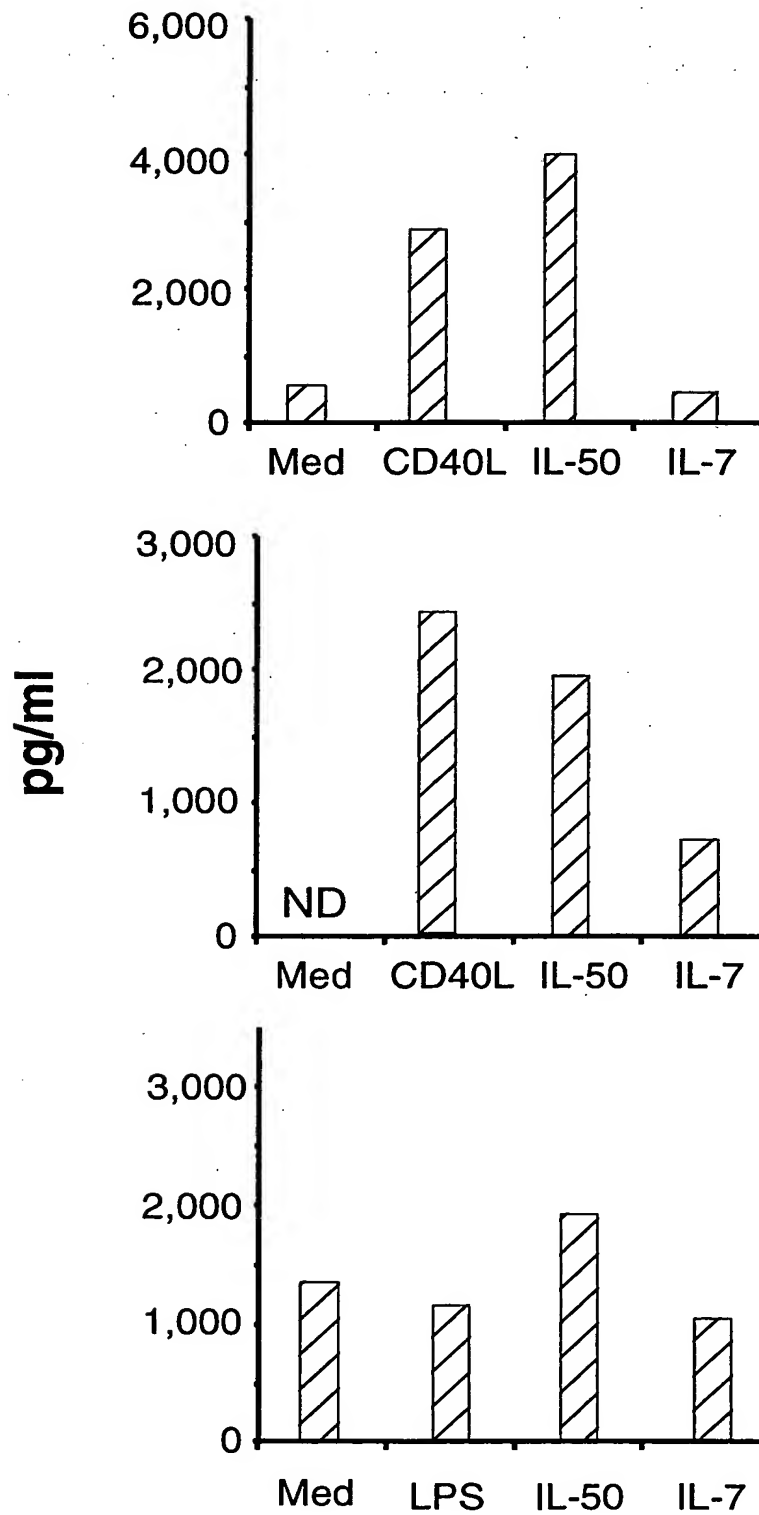


FIG. 9E

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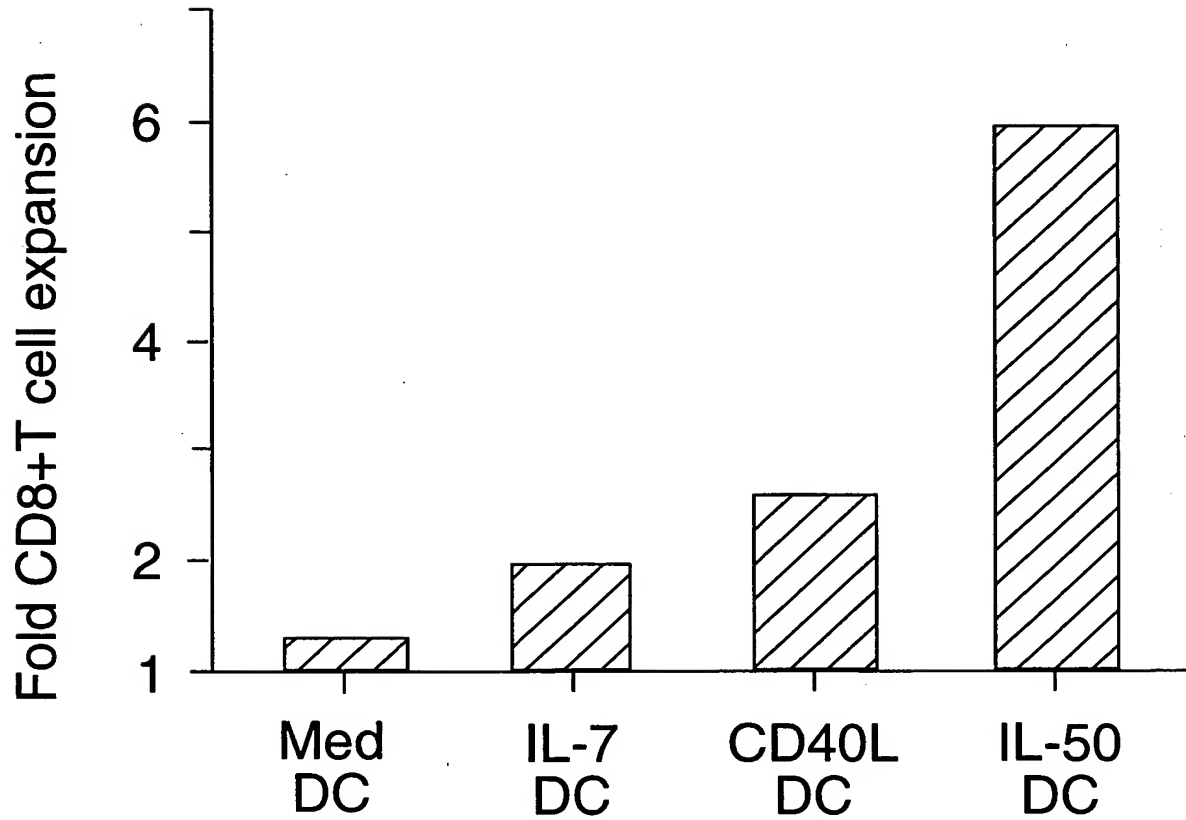


FIG. 10

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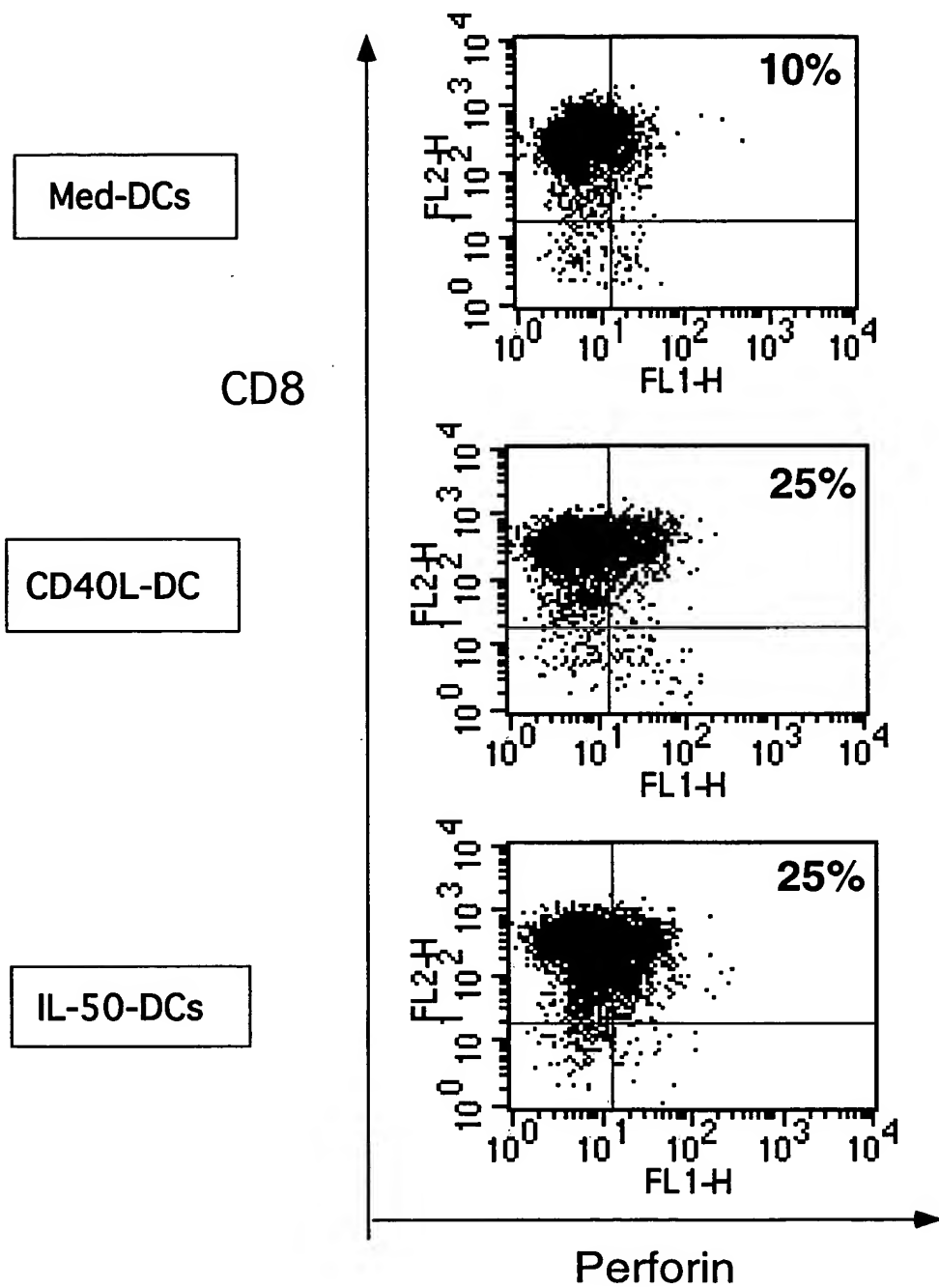


FIG. 11

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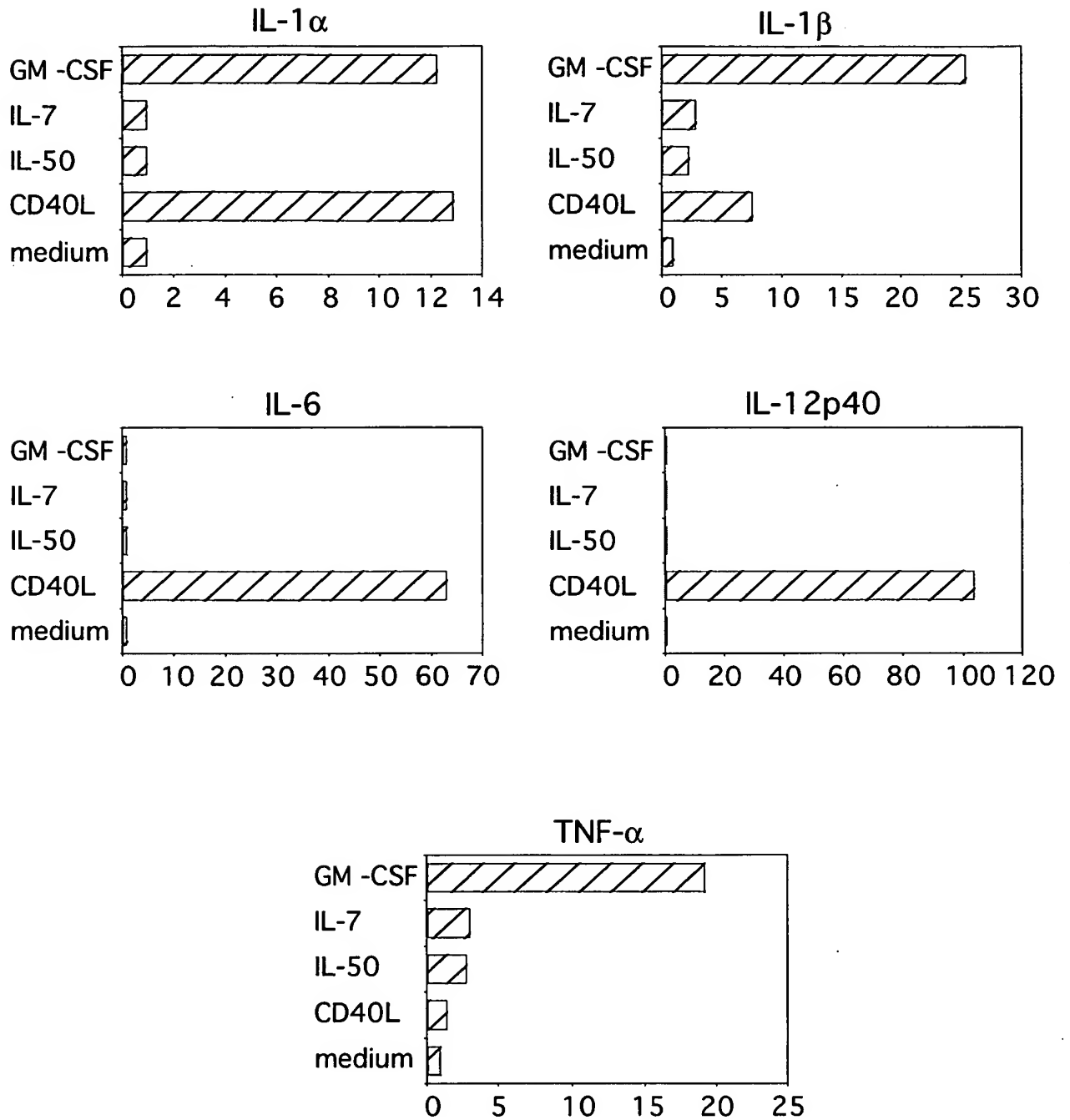
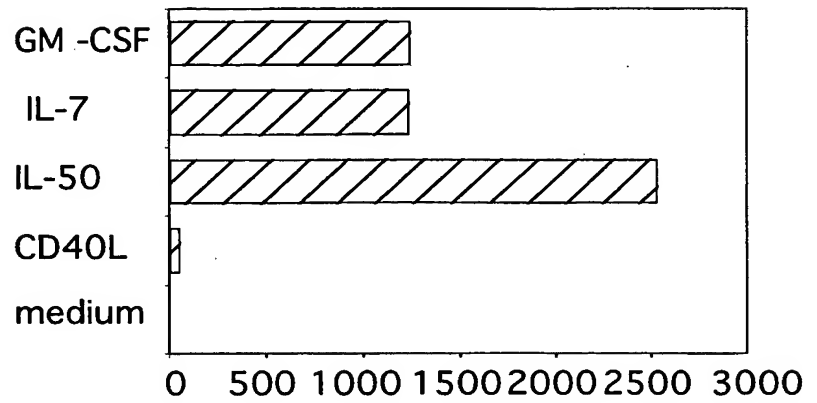


FIG.12A

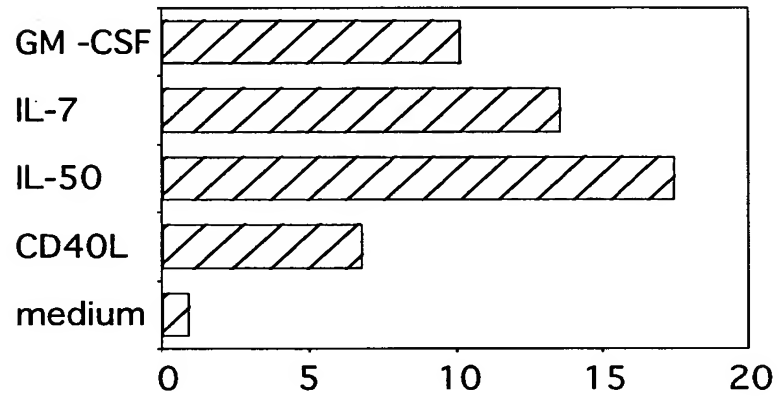
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Th2

TARC



MDC



DC+Naive

MIP3-beta

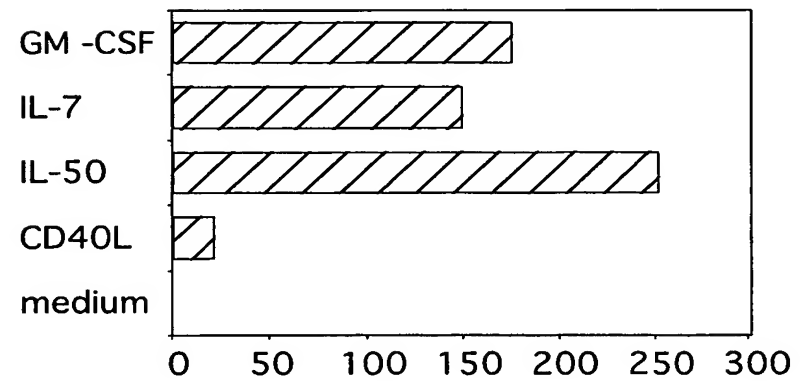
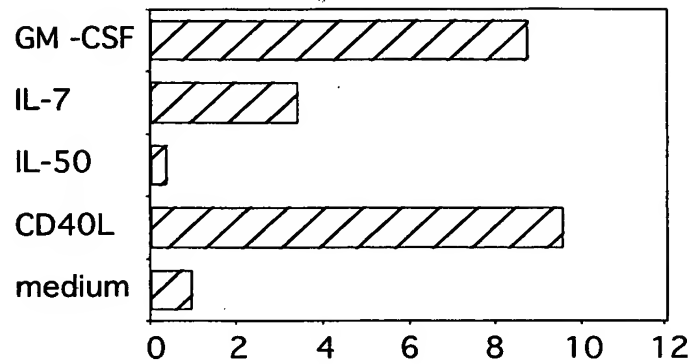


FIG. 12B

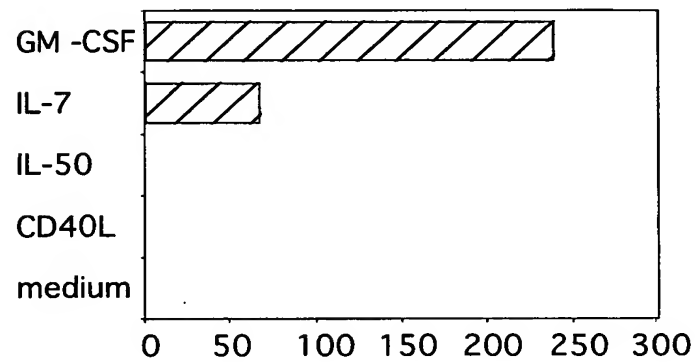
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Th2+Th1

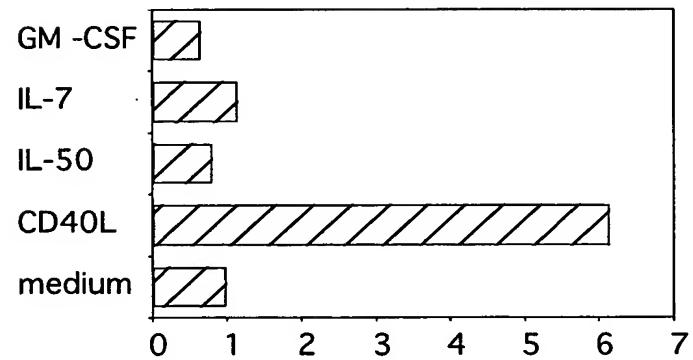
MCP-1



MCP-4



RANTES



Th1

MIG

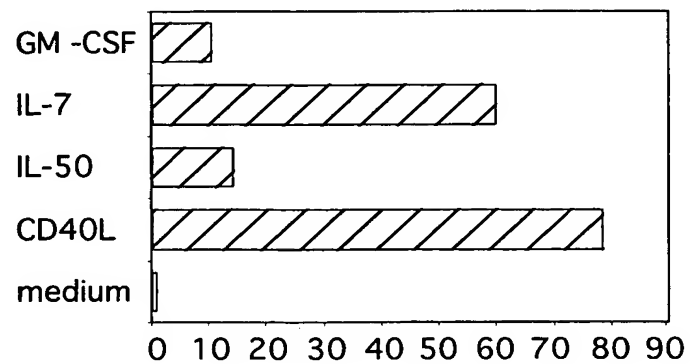


FIG. 12C

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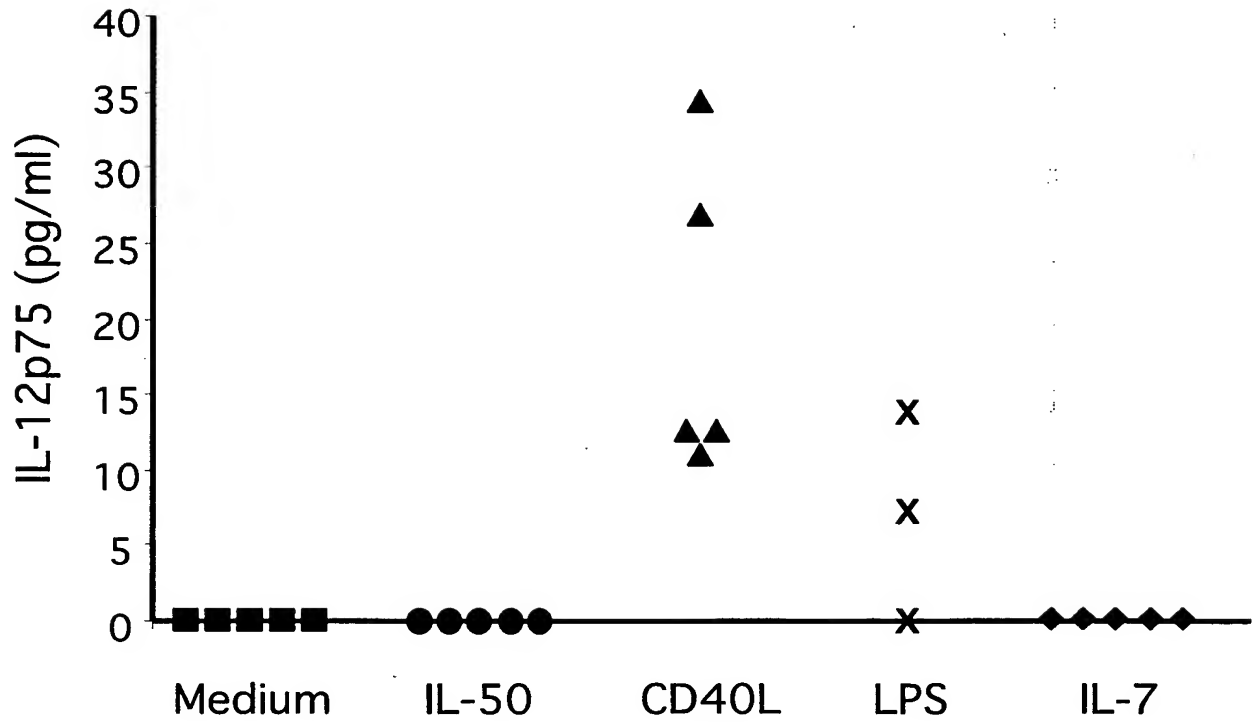


FIG. 13